

ABSTRACT

The invention relates to a method of synthesising an electrical or electronic architecture of at least one part of a product comprising electrical wires and electrical and electronic components, such as sensors, actuators and computing devices. The inventive method comprises the following steps: the geometry of the product, which is divided into different zones, is represented two-dimensionally (102); routing points for the routing of the electrical wires are positioned in the different zones (106); connection points are positioned between the different zones (106); electrical and electronic components are positioned in the zones (108); a routing is synthesised (110, 112, 114) according to the geometry of the different zones and the positions of the routing points, the connection points and the components; the routing is assessed (116, 118, 120); and , using the result of said assessment, the positions of the routing points, connection points and /or electrical and electronic components are altered; and the synthesis and assessment steps are repeated.